Module 3 Assignment – Problem 4

1. A New Fact Table Name SalesRecord is made.
   It maintains the entry for each productService/ Merchandise bought.
   It has following fields:
   - SalesRecordNo (Primary Key)
   - SalesQty(As it was there in Contains Table)
   - SalesUnitPrice(Price of Merchandise,Price of Service,may be ServiceCategory,Special Events,Membership Price from MemberType Table)
   - SalesTotalAmt (Keep Track of Total Money Earned)
   - isService (Yes or No)
   - isMerchandise (Yes or No)
2. Star Schema is used as only five dimensions are there.
3. Other 5 Dimension Tables are as follows:

   Franchise
   FranchId (primary key),
   FranchRegion,
   FranchPostalCode,
   FranchModelType

   Member
   MemId (Primary Key)
   ,MemName
   ,MemZip
   ,MemDate(MembershipDate)
   ,MemEmail
   ,MemType (Taken from ERD MemType Table)
   ,(Default values for Guest, Corporate Cust)

   Calendar
   CallId (primary key)
   ,CallDay
   ,CallMonth
   ,CallYear

   ProductService
   ProdId(Primary Key)
   ,ProdName
   ,ProdType (Special Event,Service,MemberShip)
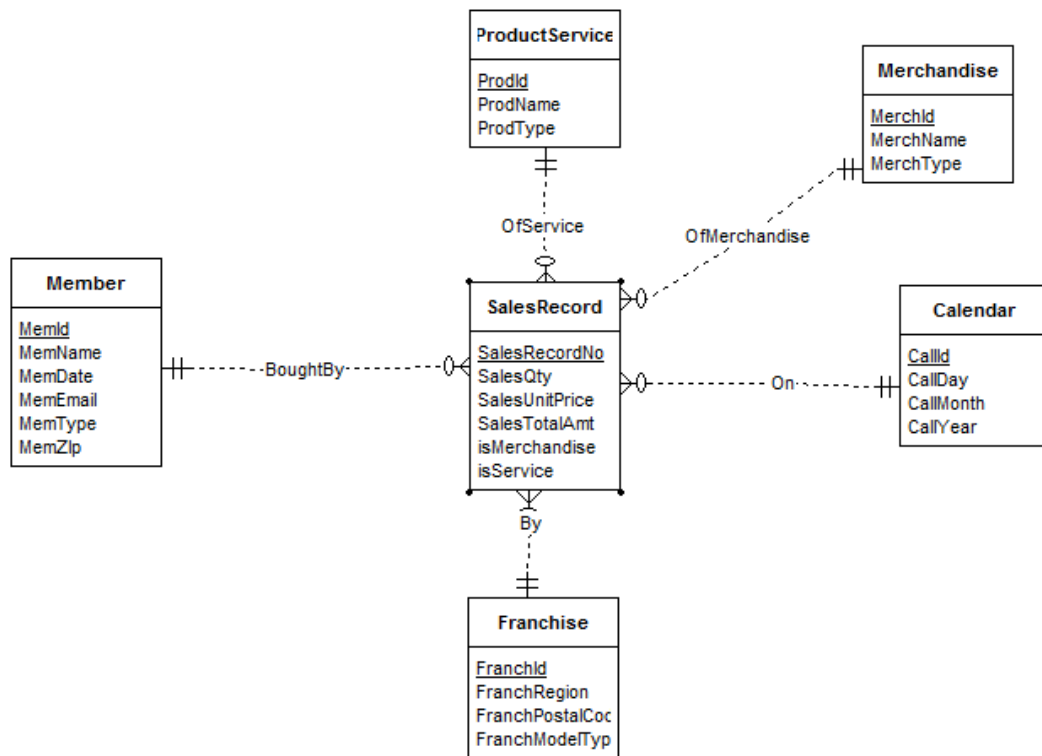
Merchandise
,MerchId (Primary Key)
,MerchName
,MerchType

SalesRecord **Of** ProductService/Merchandise **Bought By** Member **On** Calendar Suppiled **By** Franchise

The diagram shows the star schema with sales record as the middle
And other dimensions have 1 to Many relationships to it.
Each Entry into the database contains the record of the product service whether it is Service or Special Event into the database or Membership(Gold, Platinum,Value) or of merchandise.